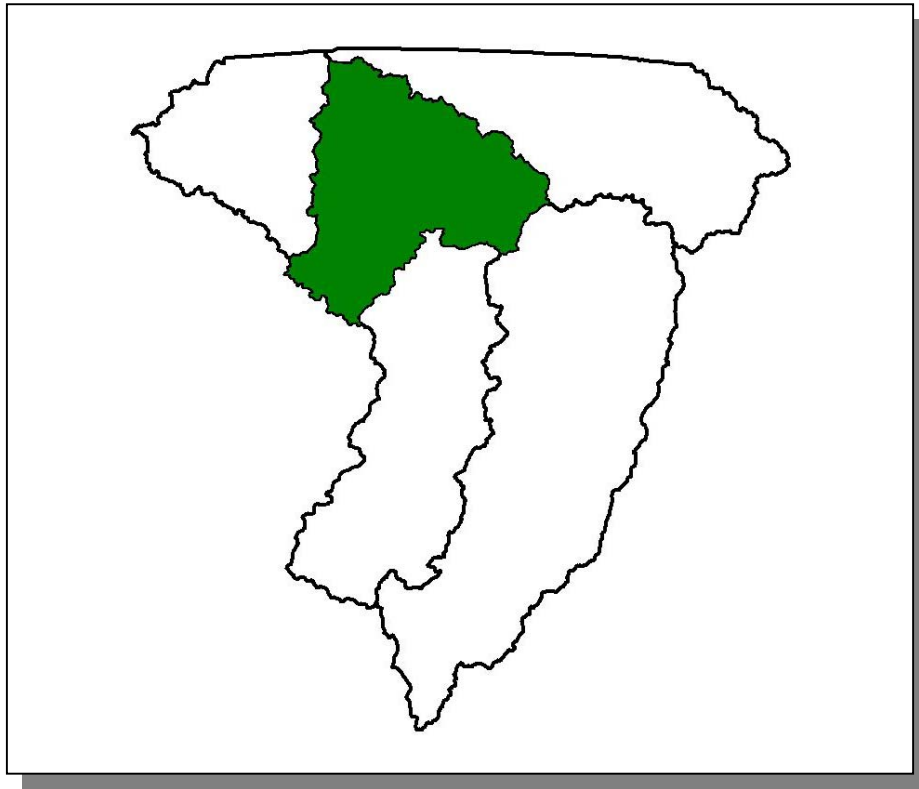
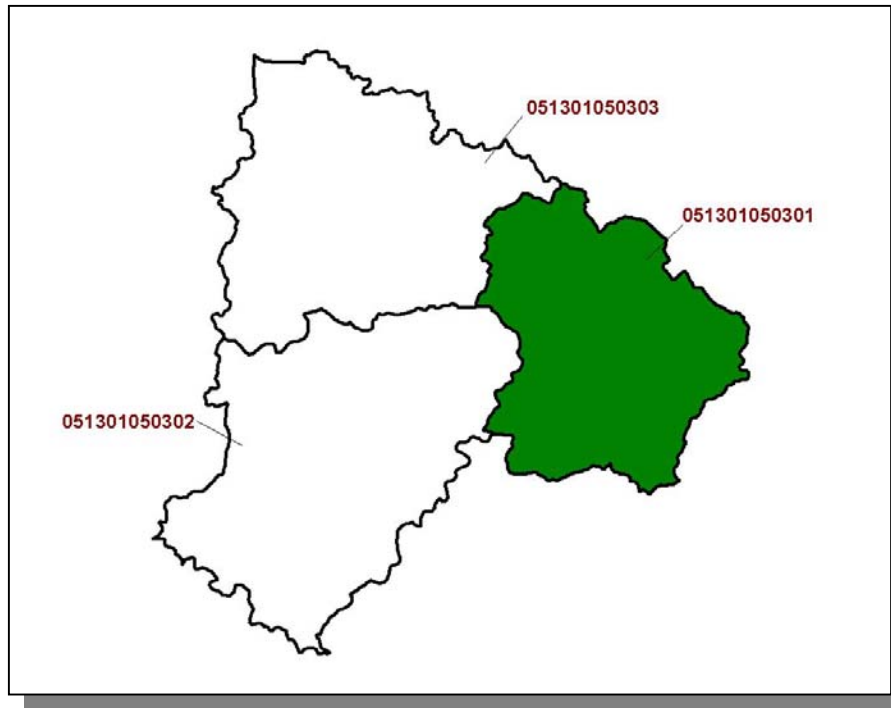


**4.2.C. 0513010503.**

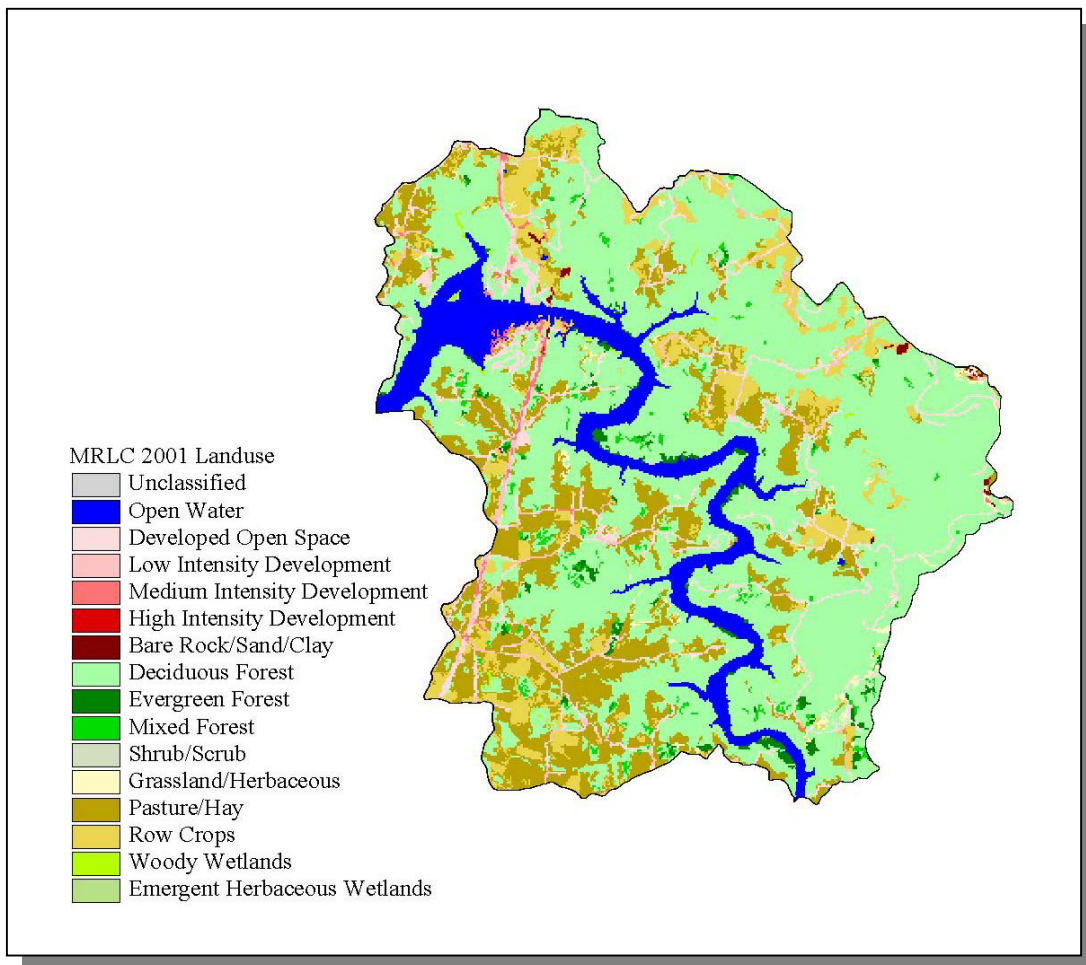


**Figure 4-77. Location of Subwatershed 0513010503.** All Obey River HUC-10 subwatershed boundaries in Tennessee are shown for reference.

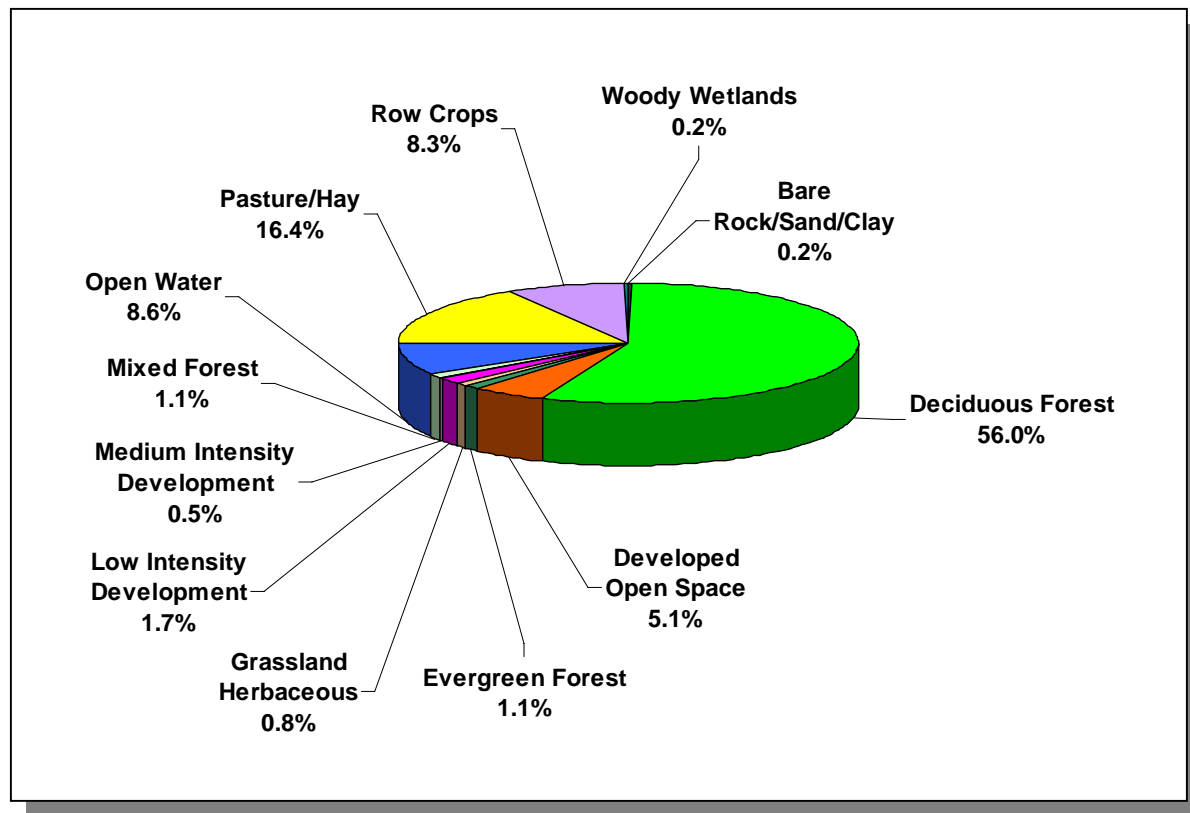
**4.2.C.i. 051301050301 (Obey River).**



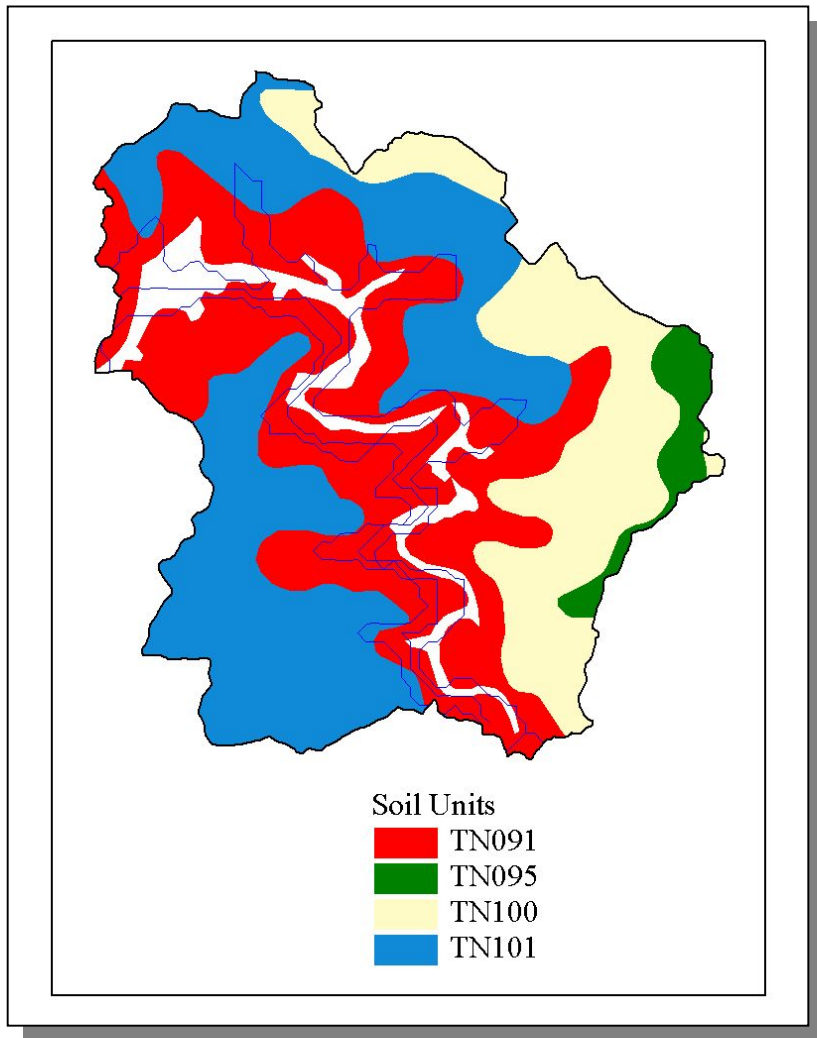
**Figure 4-78. Location of Subwatershed 051301050301.** All Obey River HUC-12 subwatershed boundaries in Tennessee are shown for reference.



**Figure 4-79. Illustration of Land Use Distribution in Subwatershed 051301050301.**



**Figure 4-80. Land Use Distribution in Subwatershed 051301050301.** More information is provided in Appendix IV.



**Figure 4-81. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301050301.**

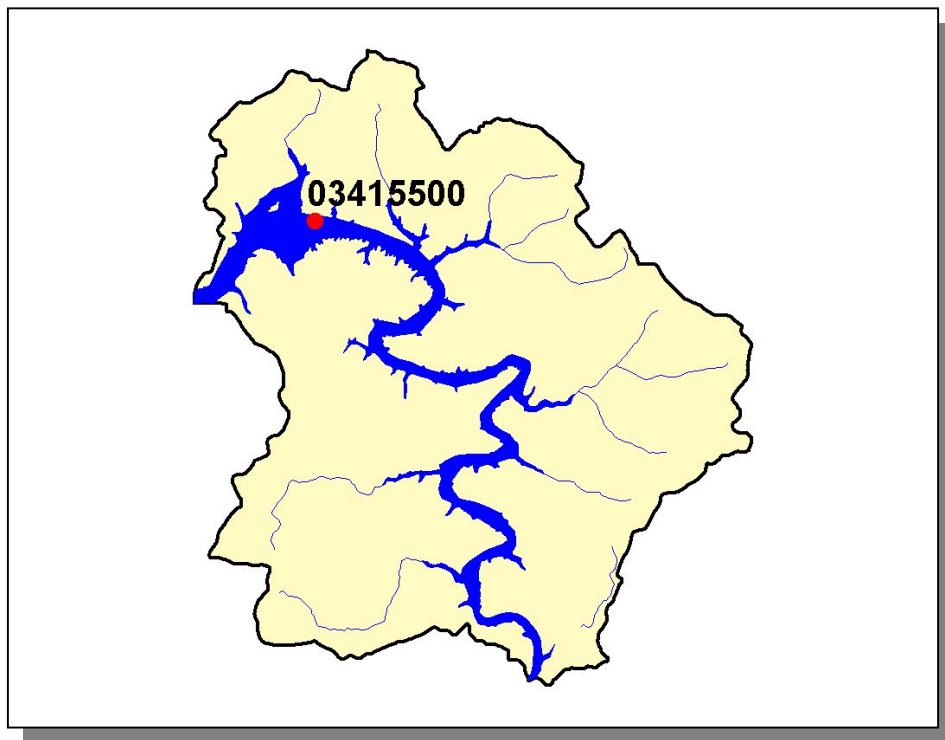
STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN091	0.00	B	2.95	5.86	Loam	0.34
TN095	0.00	B	2.35	5.12	Loam	0.31
TN100	0.00	B	1.14	3.35	Silty Loam	0.21
TN101	0.00	B	1.71	5.39	Loam	0.35

**Table 4-76. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301050301.** The definition of "Hydrologic Group" is provided in Appendix IV.

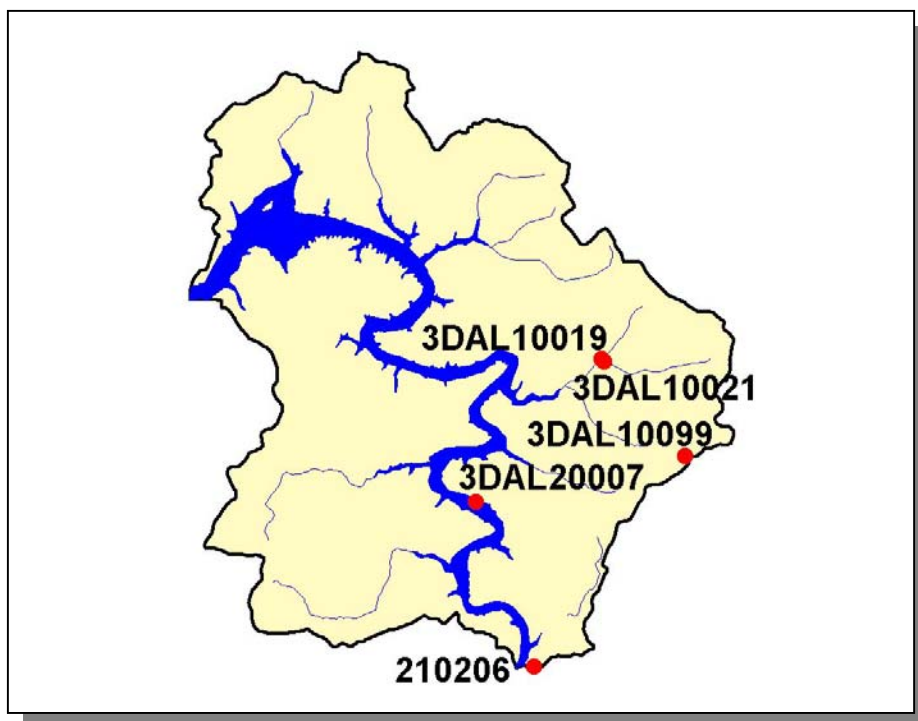
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	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	Portion of Watershed (%)	1990	1997	2000	% Change (1990-2000)
Fentress	14,669	15,920	16,625	0.08	12	13	13	8.3
Overton	17,636	19,171	20,118	0.85	151	164	172	13.9
Pickett	4,548	4,631	4,945	17.8	810	824	880	8.6
<b>Total</b>	<b>36,853</b>	<b>39,722</b>	<b>41,688</b>		<b>973</b>	<b>1,001</b>	<b>1,065</b>	<b>9.5</b>

*Table 4-77. Population Estimates in Subwatershed 051301050301.*

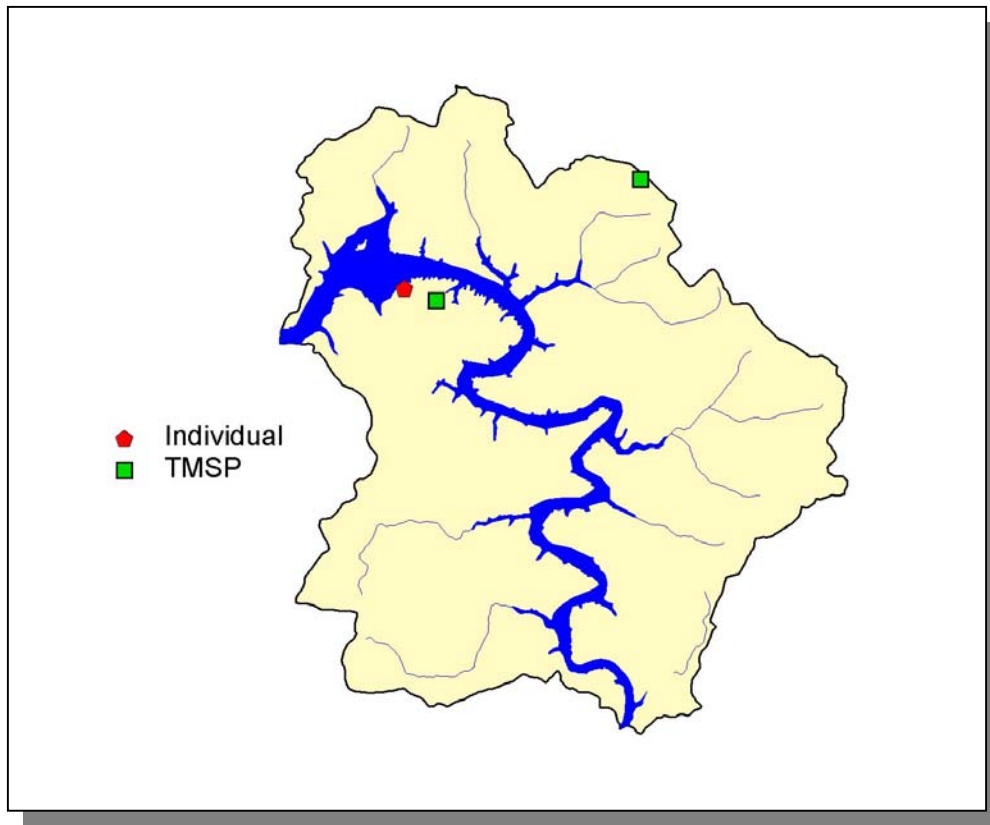


**Figure 4-82. Location of Historical Streamflow Data Collection Sites in Subwatershed 051301050301.** More information is provided in Appendix IV.



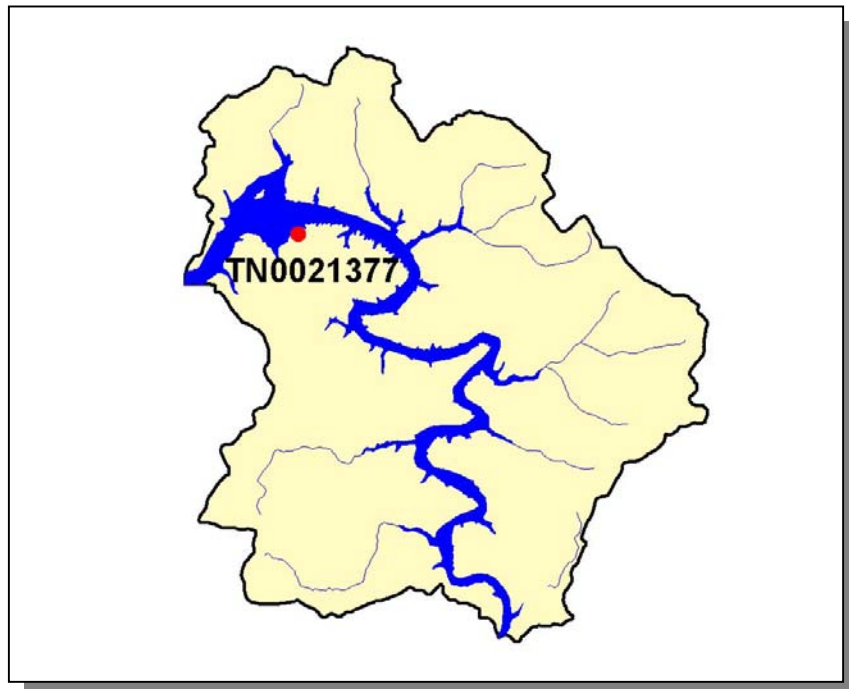
**Figure 4-83. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 051301050301.** More information, including site names and locations, is provided in Appendix IV.

**4.2.C.i.a. Point Source Contributions.**

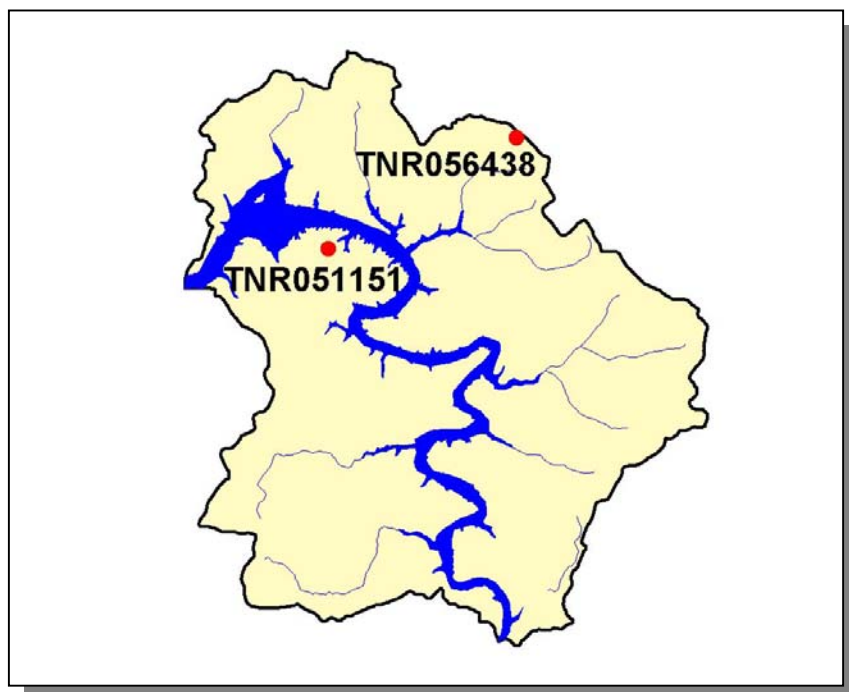


**Figure 4-84. Location of Permits Issued in Subwatershed 051301050301.** More information, including the names of facilities, is provided in Appendix IV.





**Figure 4-85. Location of Active NPDES Sites in Subwatershed 051301050301.** More information, including the names of facilities, is provided in Appendix IV.



**Figure 4-86. Location of TMSP Sites in Subwatershed 051301050301.** More information, including the names of facilities, is provided in Appendix IV.

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**4.2.C.i.b. Nonpoint Source Contributions.**

<b>LIVESTOCK (COUNTS)</b>						
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Chickens (Broilers Sold)	Hogs	Sheep
1,409	2,565	33	<5	644	37	<5

**Table 4-78. Summary of Livestock Count Estimates in Subwatershed 051301050301.** According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

<b>LIVESTOCK COUNTS</b>							
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Chickens (Broilers Sold)	Hogs	Sheep
Fentress	8,058	17,259	430	474	7,290,026	729	79
Overton	15,150	27,812	1,200	1,173	0	811	59
Pickett	5,986	10,864	19	285	0	99	0

**Table 4-79. Summary of Livestock Count Estimates in Cumberland, Fentress, Overton, and Pickett Counties.** According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat..

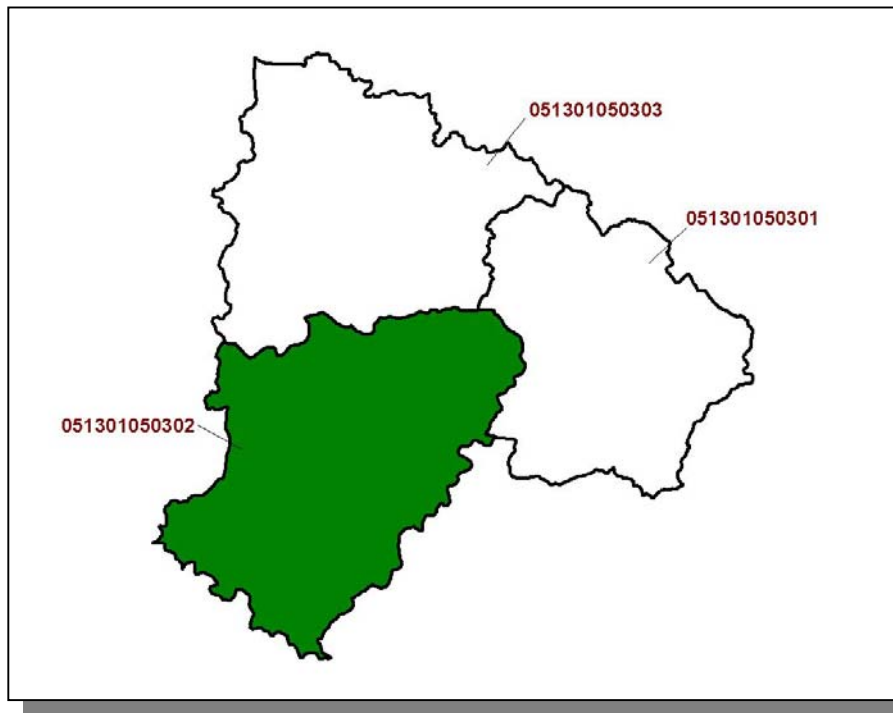
County	<b>INVENTORY</b>		<b>REMOVAL RATE</b>	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Fentress	244.1	244.1	3.6	14.3
Overton	170.3	170.3	1.7	7.0
Pickett	68.4	68.4	0.2	0.6

**Table 4-80. Forest Acreage and Annual Removal Rates (1987-1994) in Fentress, Overton, and Pickett Counties.**

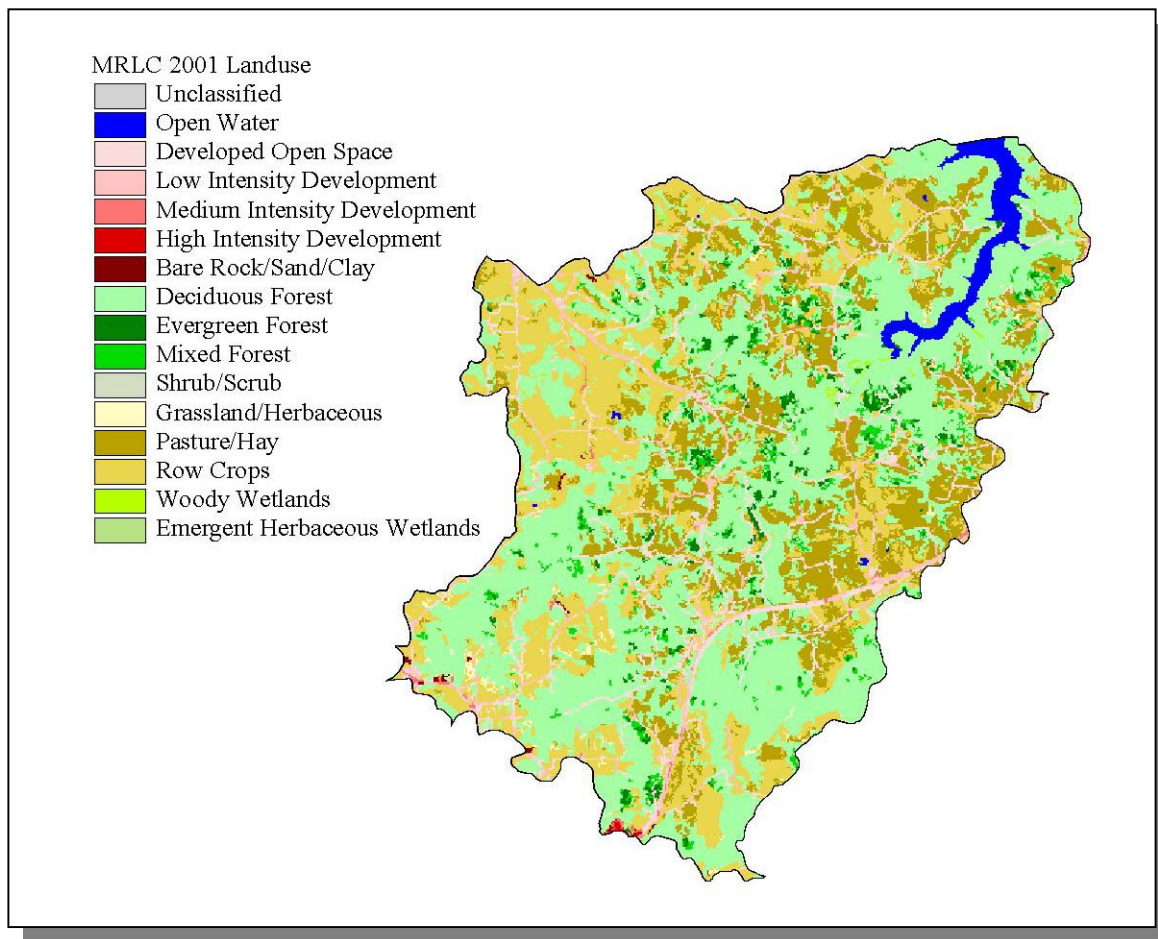
<b>CROPS</b>	<b>TONS/ACRE/YEAR</b>
Grass (Pastureland)	1.01
Grass (Hayland)	0.13
Legumes, Grass (Hayland)	0.36
Grass, Forbs, Legumes (Mixed Pasture)	0.69
Corn (Row Crops)	5.49
Soybeans (Row Crops)	10.33
Tobacco (Row Crops)	23.18
Wheat (Close-Grown Cropland)	10.51
Other Vegetable and Truck Crops	20.93
Conservation Reserve Program Lands	0.46
Farmsteads and Ranch Headquarters	6.65

**Table 4-81. Annual Estimated Total Soil Loss in Subwatershed 051301050301.**

**4.2.C.ii.** 051301050302 (Eagle Creek).

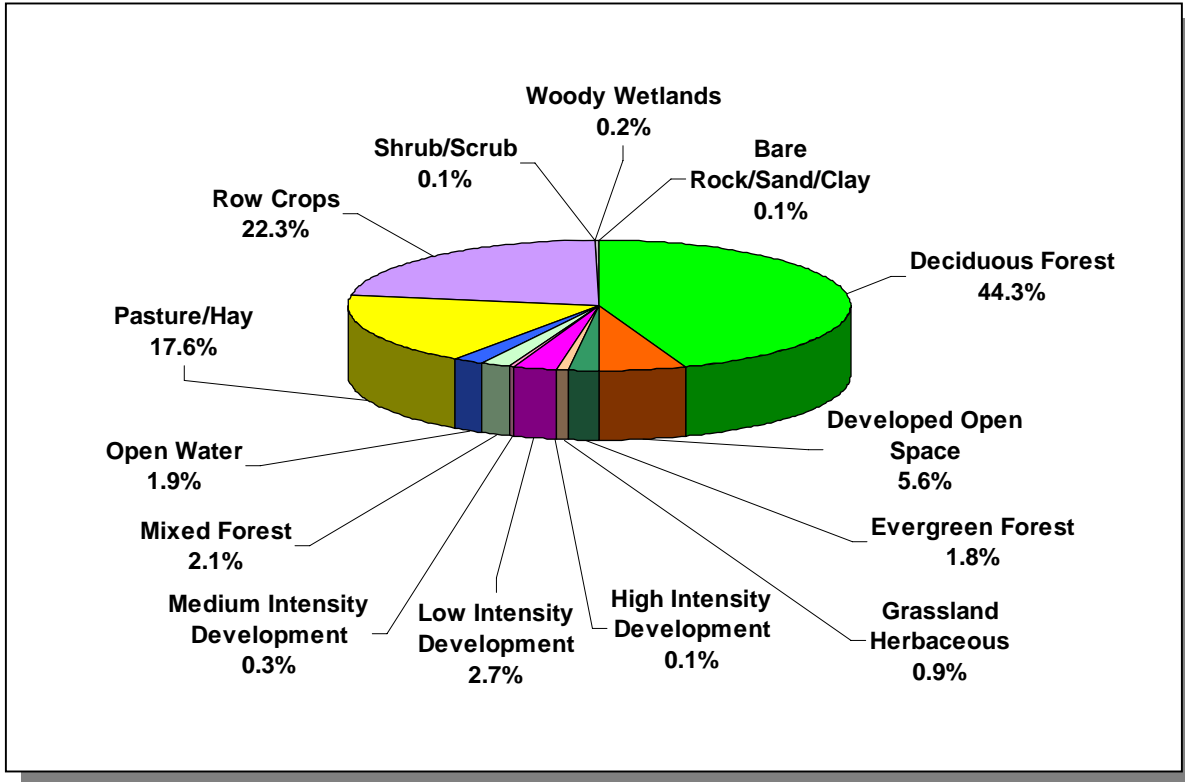


**Figure 4-87. Location of Subwatershed 051301050302.** All Obey River HUC-12 subwatershed boundaries in Tennessee are shown for reference.



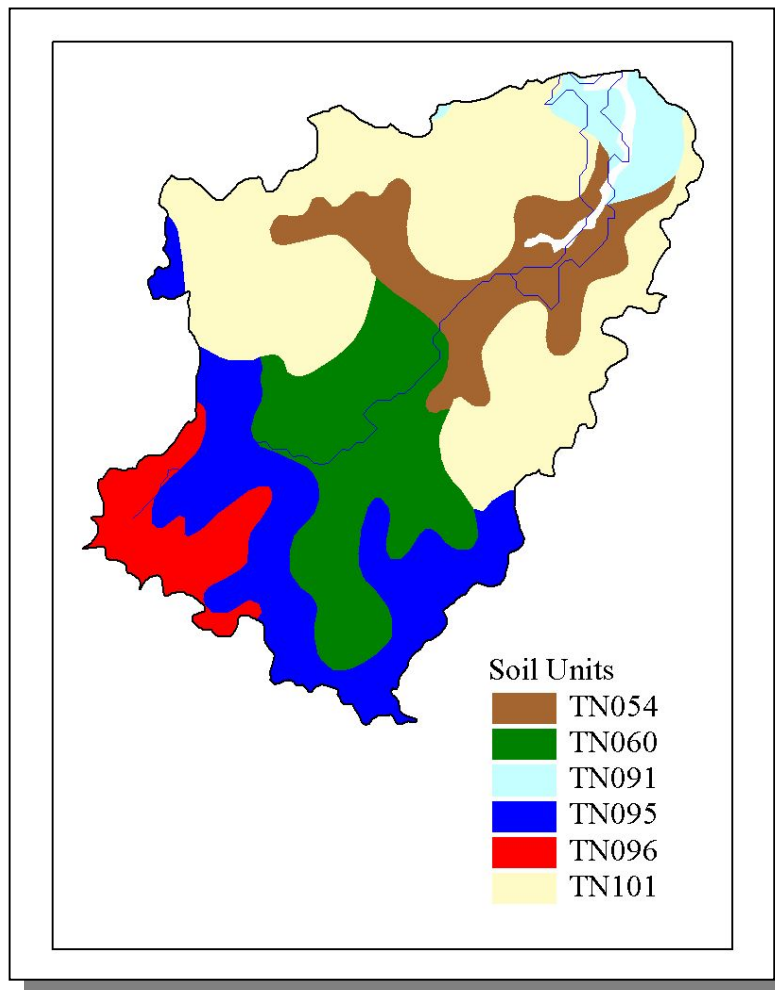
**Figure 4-88. Illustration of Land Use Distribution in Subwatershed 051301050302.**

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**Figure 4-89. Land Use Distribution in Subwatershed 051301050302.** More information is provided in Appendix IV.

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**Figure 4-90. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301050302.**

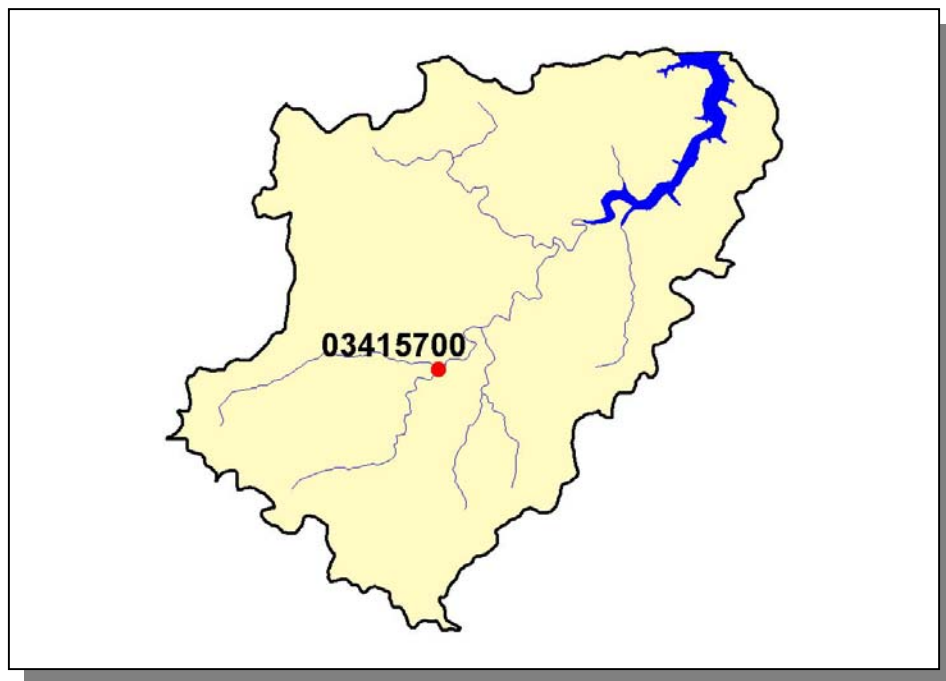
STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN054	0.00	C	3.04	4.84	Loam	0.32
TN060	5.00	B	1.30	5.32	Silty Loam	0.39
TN091	0.00	B	2.95	5.86	Loam	0.34
TN095	0.00	B	2.35	5.12	Loam	0.31
TN096	10.00	C	1.22	5.16	Silty Loam	0.38
TN101	0.00	B	1.71	5.39	Loam	0.35

**Table 4-82. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301050302.** The definition of "Hydrologic Group" is provided in Appendix IV.

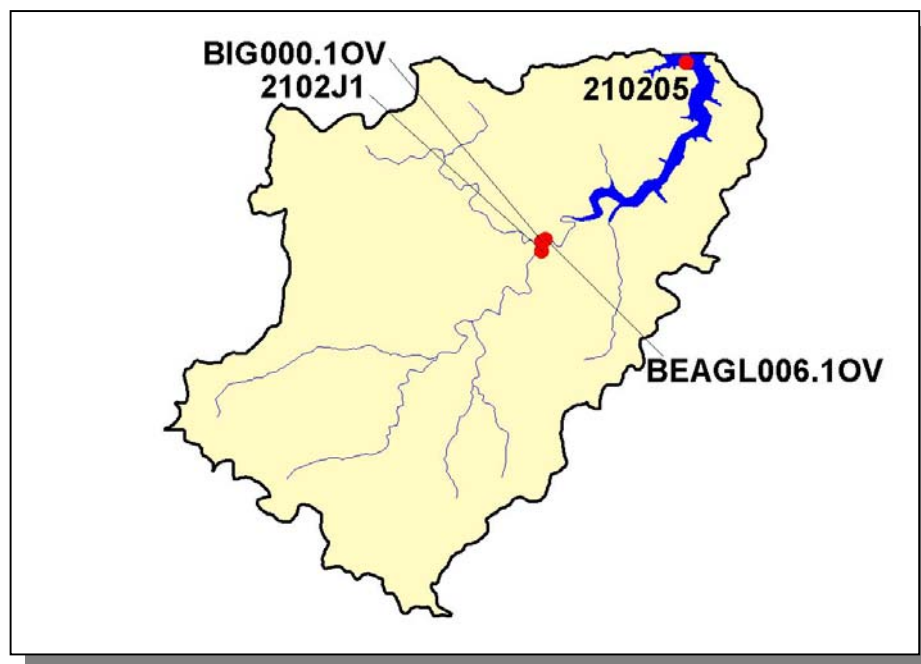
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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Overton	17,636	19,171	20,118	10.98	1,936	2,104	2,208	14.0
Pickett	4,548	4,631	4,945	0.78	35	36	38	8.6
<b>Total</b>	<b>22,184</b>	<b>23,802</b>	<b>25,063</b>		<b>1,971</b>	<b>2,140</b>	<b>2,246</b>	<b>14.0</b>

*Table 4-83. Population Estimates in Subwatershed 051301050302.*



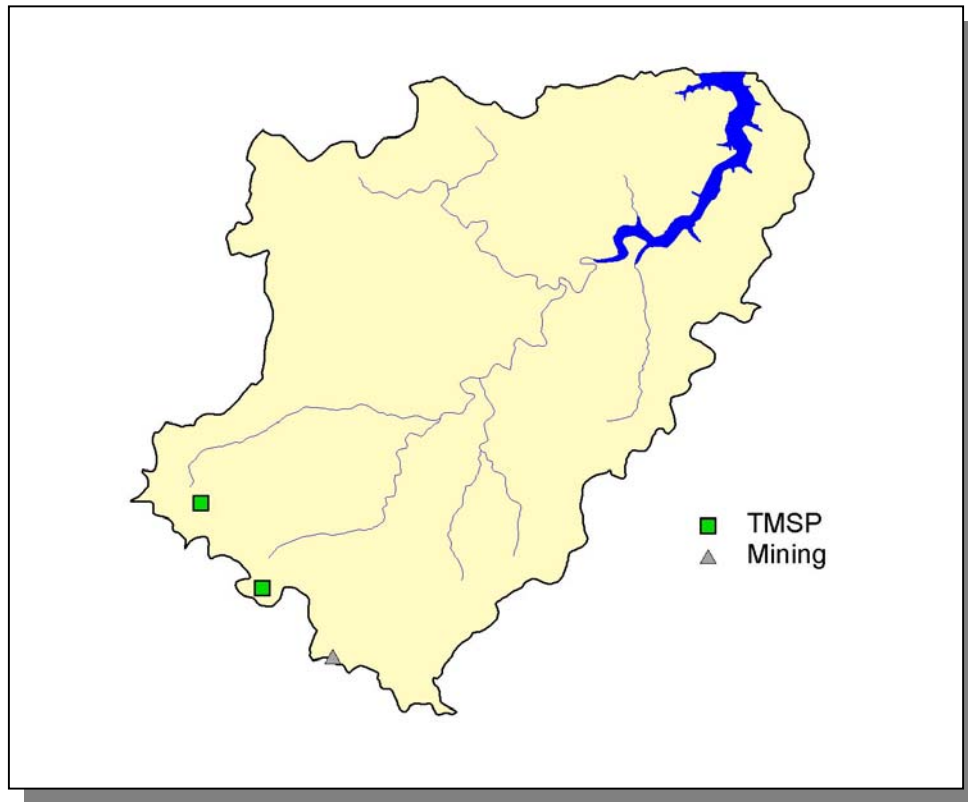
**Figure 4-91. Location of Historical Streamflow Data Collection Sites in Subwatershed 051301050302.** More information is provided in Appendix IV.



**Figure 4-92. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 051301050302.** More information, including site names and locations, is provided in Appendix IV.



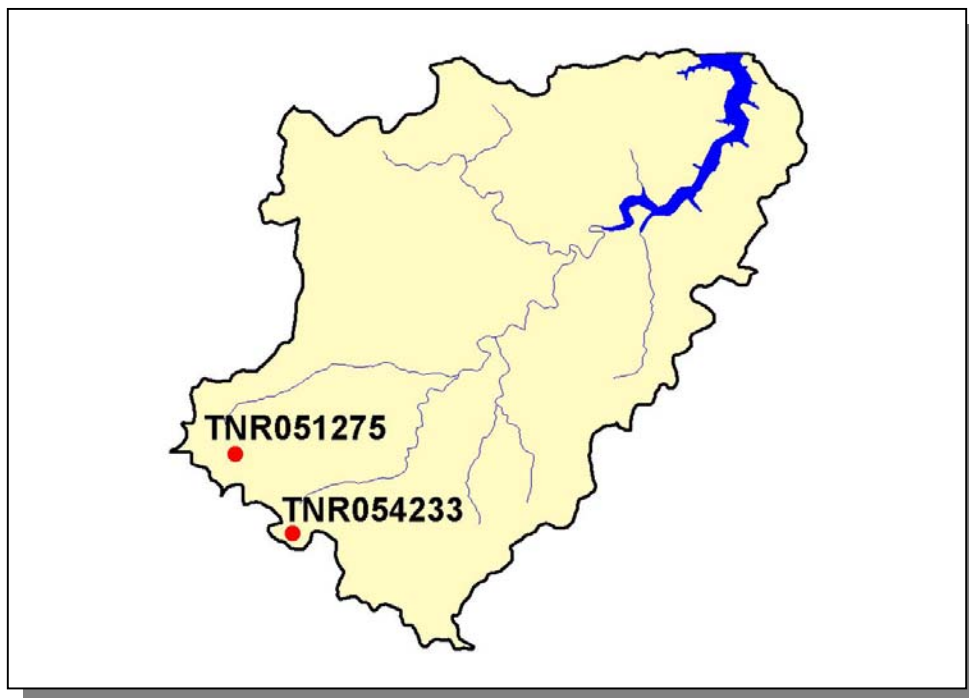
**4.2.C.ii.a. Point Source Contributions.**



**Figure 4-93. Location of Permits Issued in Subwatershed 051301050302.** More information, including the names of facilities, is provided in Appendix IV.



**Figure 4-94. Location of Active Mining Sites in Subwatershed 051301050302.** More information, including the names of mining operations, is provided in Appendix IV.



**Figure 4-95. Location of TMSF Sites in Subwatershed 051301050302.** More information, including the names of facilities, is provided in Appendix IV.

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**4.2.C.ii.b. Nonpoint Source Contributions.**

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
2,492	4,574	195	8	132	10

**Table 4-84. Summary of Livestock Count Estimates in Subwatershed 051301050302.**  
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Overton	15,150	27,812	1,200	1,173	811	59
Pickett	5,986	10,864	19	285	99	0

**Table 4-85. Summary of Livestock Count Estimates in Overton and Pickett Counties.**  
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

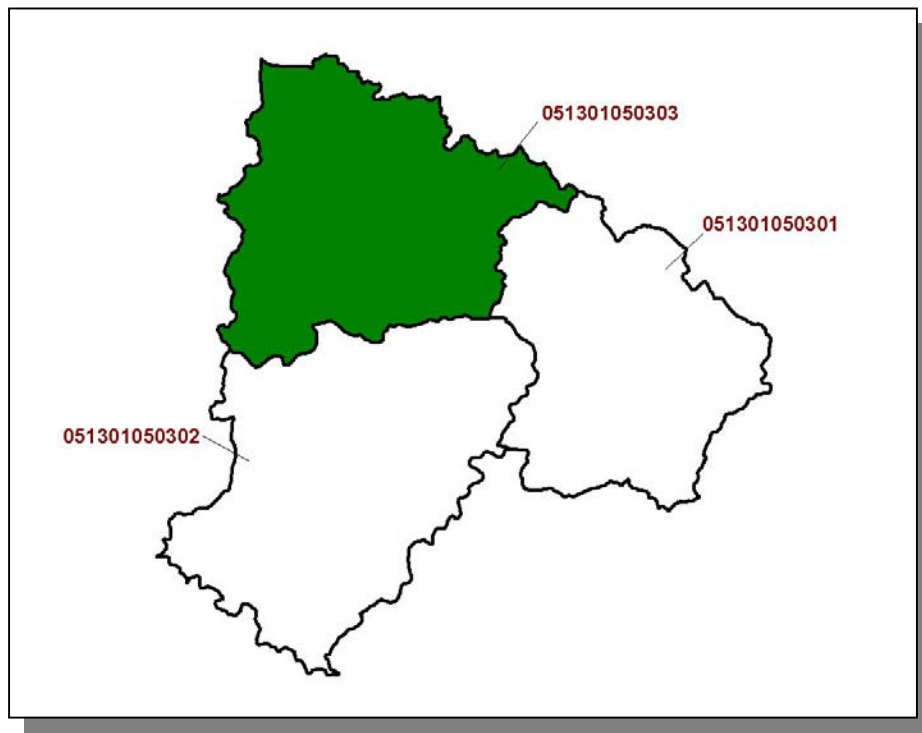
County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Overton	170.3	170.3	1.7	7.0
Pickett	68.4	68.4	0.2	0.6

**Table 4-86. Forest Acreage and Annual Removal Rates (1987-1994) in Overton and Pickett Counties.**

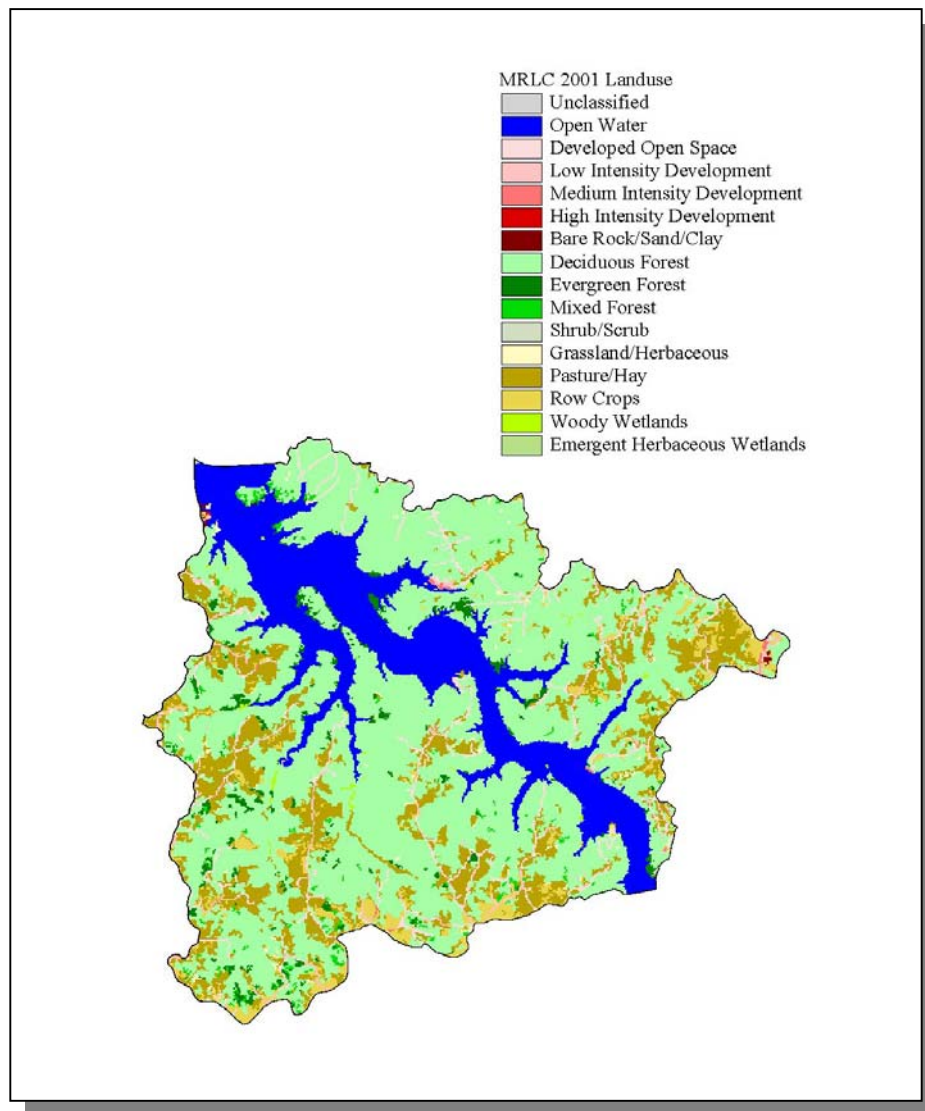
CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.28
Grass (Hayland)	0.30
Legumes, Grass (Hayland)	2.81
Grass, Forbs, Legumes (Mixed Pasture)	0.67
Corn (Row Crops)	4.35
Soybeans (Row Crops)	10.79
Tobacco (Row Crops)	23.18
Wheat (Close-Grown Cropland)	7.00
Other Vegetable and Truck Crops	2.46
Conservation Reserve Program Lands	0.46
Farmsteads and Ranch Headquarters	0.79

**Table 4-87. Annual Estimated Total Soil Loss in Subwatershed 051301050302.**

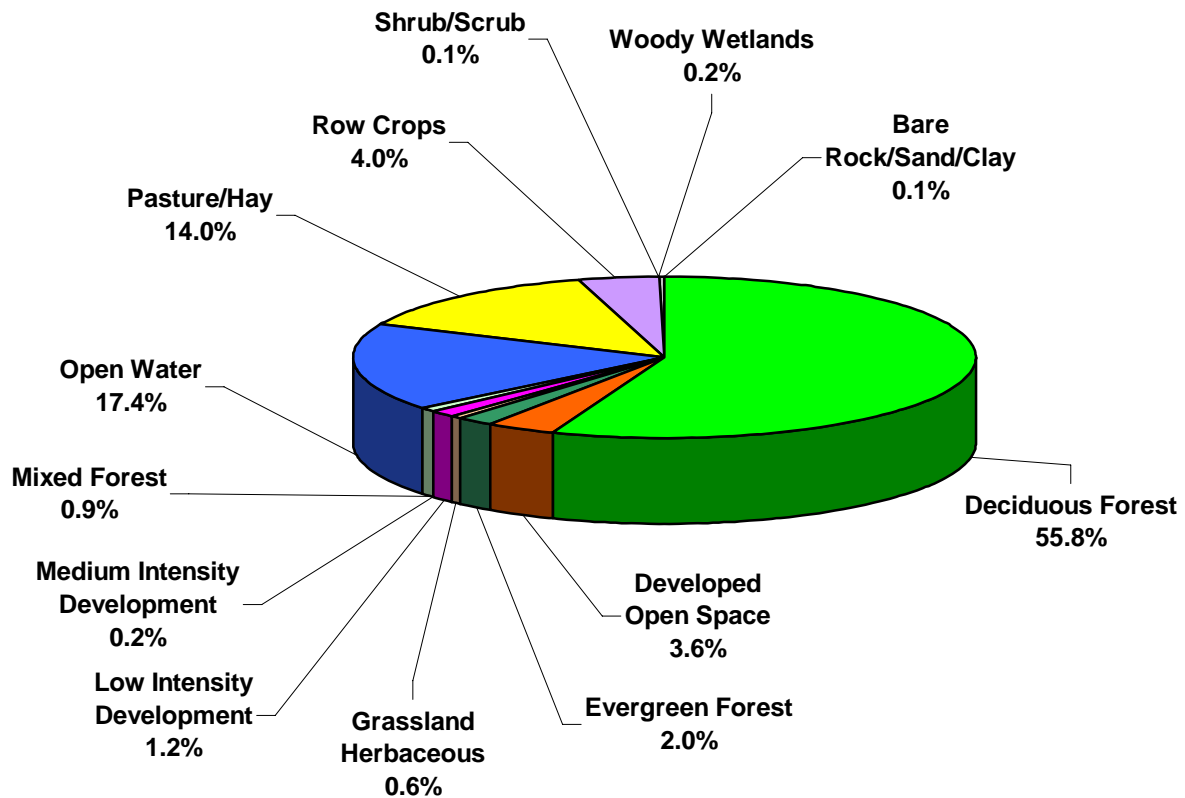
**4.2.C.iii. 051301050303 (Obey River).**



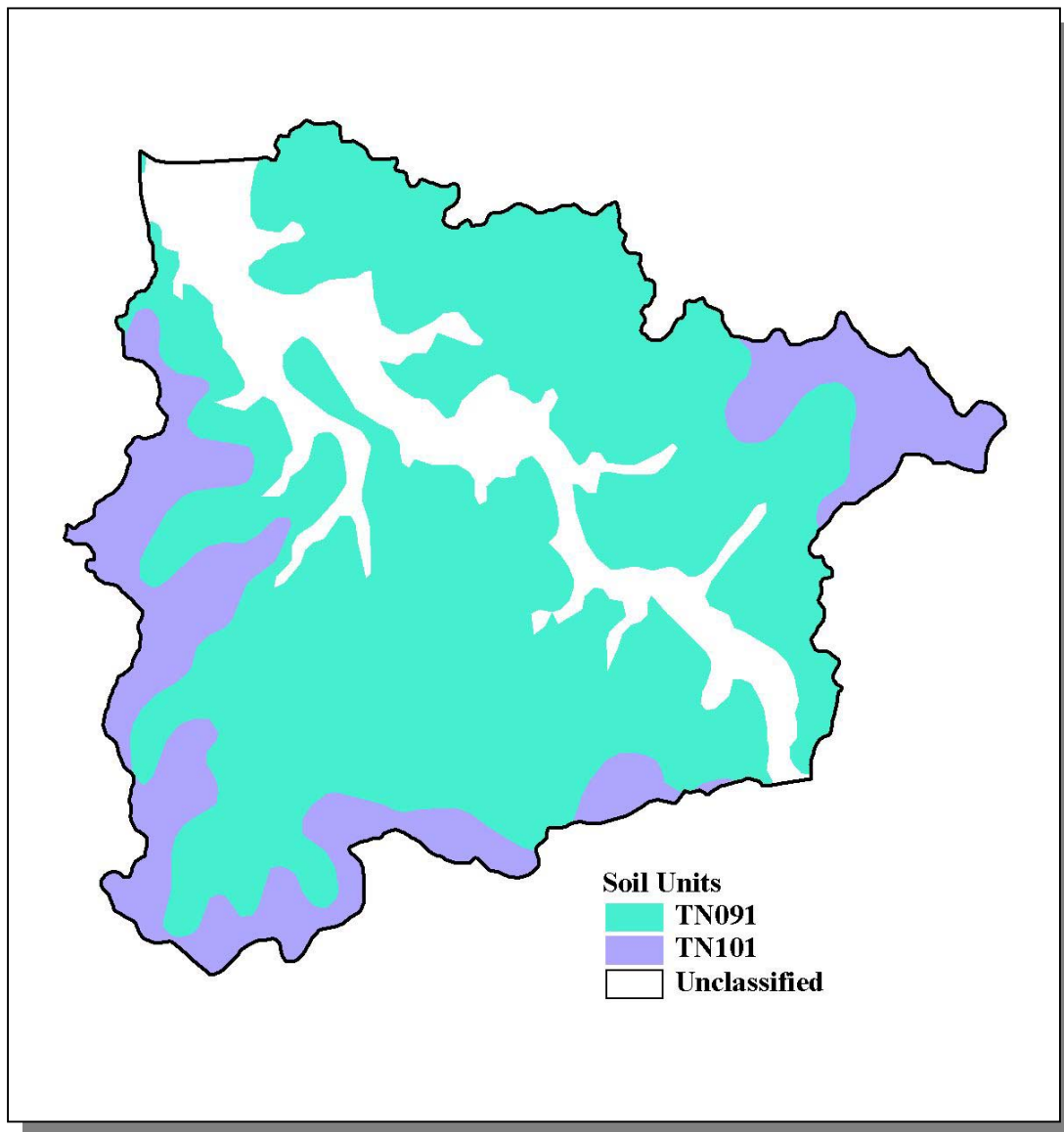
**Figure 4-96. Location of Subwatershed 051301050303.** All Obey River HUC-12 subwatershed boundaries in Tennessee are shown for reference.



*Figure 4-97. Illustration of Land Use Distribution in Subwatershed 051301050303.*



**Figure 4-98. Land Use Distribution in Subwatershed 051301050303.** More information is provided in Appendix IV.



**Figure 4-99. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301050303.**

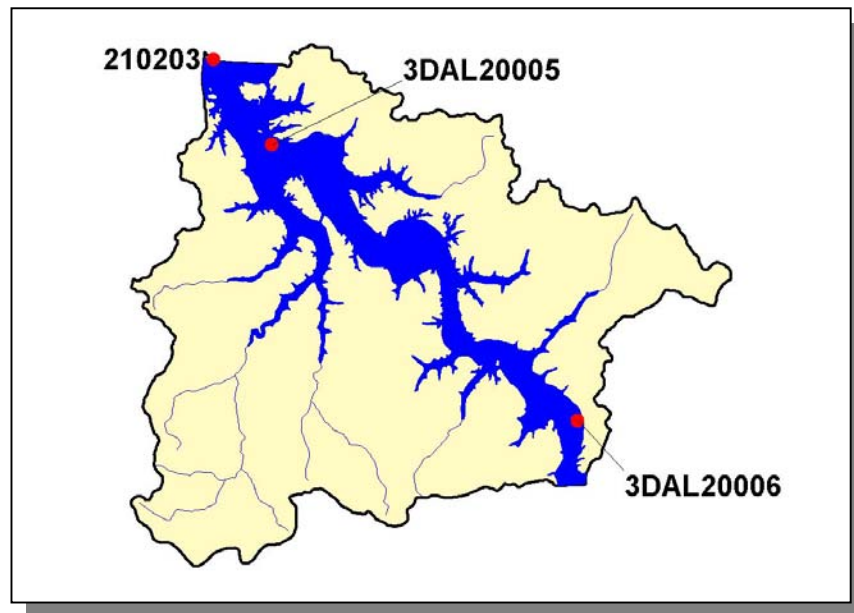
STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN091	0.00	B	2.95	5.86	Loam	0.34
TN101	0.00	B	1.71	5.39	Loam	0.35

**Table 4-88. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301050303.** The definition of "Hydrologic Group" is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Clay	7,238	7,311	7,976	3.43	248	251	274	10.5
Overton	17,636	19,171	20,118	1.69	298	324	340	14.1
Pickett	4,548	4,631	4,945	14.21	646	658	703	8.8
<b>Total</b>	<b>29,422</b>	<b>31,113</b>	<b>33,039</b>		<b>1,192</b>	<b>1,233</b>	<b>1,317</b>	<b>10.5</b>

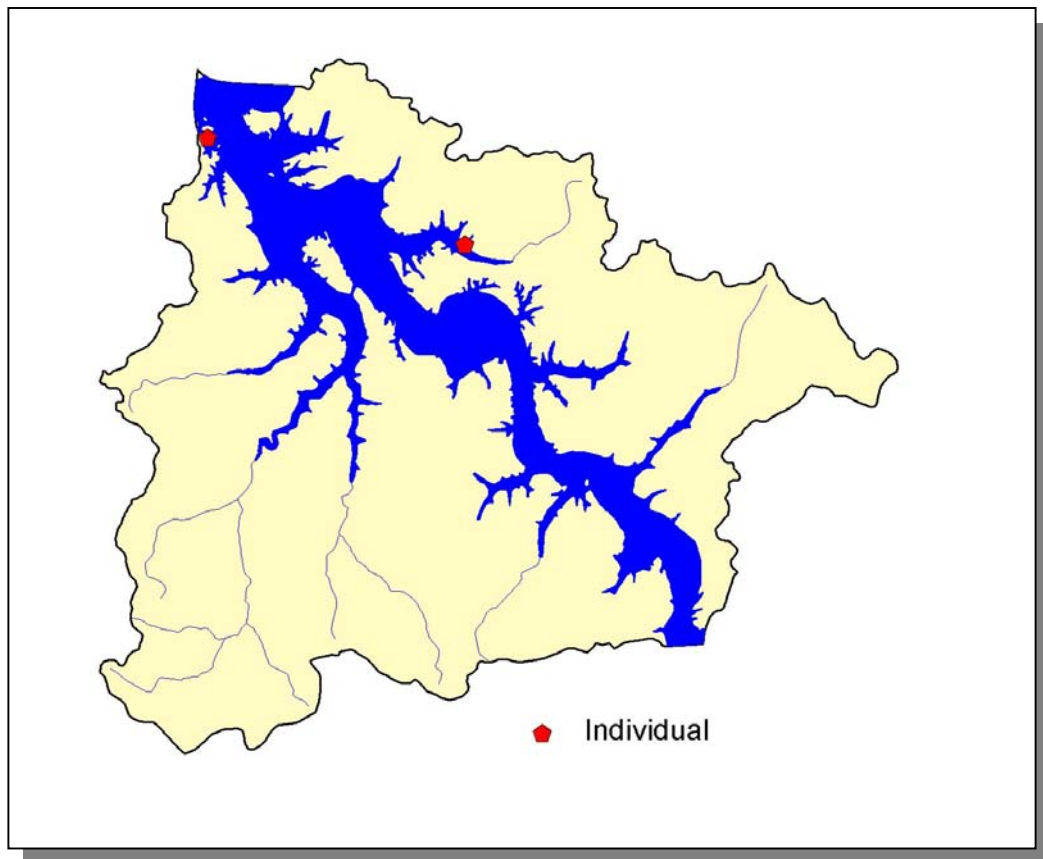
**Table 4-89. Population Estimates in Subwatershed 051301050303.**



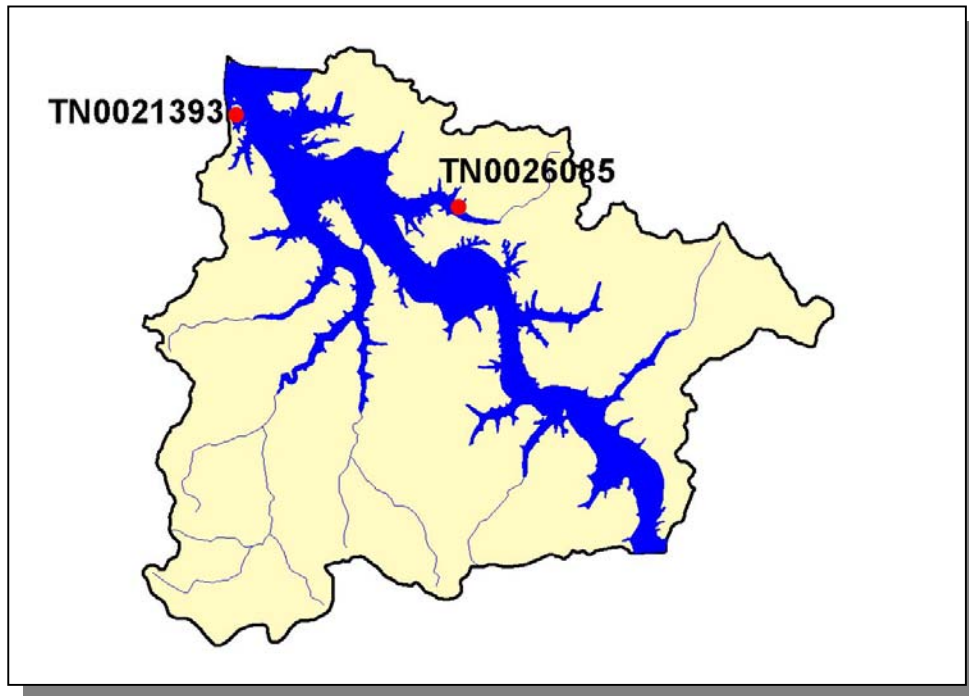
**Figure 4-100. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 051301050303.** More information, including site names and locations, is provided in Appendix IV.



**4.2.C.iii.a. Point Source Contributions.**



**Figure 4-101. Location of Permits Issued in Subwatershed 051301050303.** More information, including the names of facilities, is provided in Appendix IV.



**Figure 4-102. Location of Active NPDES Sites in Subwatershed 051301050303.** More information, including the names of facilities, is provided in Appendix IV.

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**4.2.C.iii.b. Nonpoint Source Contributions.**

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
780	2,541	26	<5	38	<5

**Table 4-90. Summary of Livestock Count Estimates in Subwatershed 051301050303.** According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

LIVESTOCK COUNTS						
County	Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Hogs	Sheep
Clay	0	14,574	0	18	174	23
Overton	15,150	27,812	1,200	1,173	811	59
Pickett	5,986	10,864	19	285	99	0

**Table 4-91. Summary of Livestock Count Estimates in Clay, Overton, and Pickett Counties.** According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Clay	105.1	105.1	2.3	10.1
Overton	170.3	170.3	1.7	7.0
Pickett	68.4	68.4	0.2	0.6

**Table 4-92. Forest Acreage and Annual Removal Rates (1987-1994) in Clay, Overton, and Pickett Counties.**

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.96
Grass (Hayland)	0.20
Legumes, Grass (Hayland)	0.65
Grass, Forbs, Legumes (Mixed Pasture)	0.84
Corn (Row Crops)	4.35
Soybeans (Row Crops)	10.79
Tobacco (Row Crops)	24.55
Wheat (Close-Grown Cropland)	7.00
Other Vegetable and Truck Crops	2.46
Conservation Reserve Program Lands	0.46
Farmsteads and Ranch Headquarters	5.00

**Table 4-93. Annual Estimated Total Soil Loss in Subwatershed 051301050303.**